Amendments to the Claims

Please amend the claims in the present application, without prejudice, to read as follows:

1 (Original). An implantable device, including: a cuff positioned to contact the outer surface of a tubular body carrying blood; and at least one sensor which measures blood pressure encapsulated within said cuff, wherein said cuff is integrally formed within a cannula.

2 (Original). The device of claim 1, wherein said device does not occlude or adversely affect the flow of blood or blood pressure within a patient's circulatory system.

3 (Original). The device of claim 1, wherein said device includes at least two sensors and said sensors are aligned axially in respect to said tubular body.

4 (Original). The device of claim 1, wherein said device includes at least two sensors and said sensors are aligned radially in respect to said tubular body.

5 (Original). The device of claim 1, wherein said device is connected to a controller that determines the pumping state of said heart from changes in said pressure.

6 (Currently Amended). The device of claim 1, wherein said cuff comprises: silicone, velour or ~~Daeron~~™ polyethylene terephthalate.

7 (Original). The device of claim 6, wherein said device cooperates with a blood pump.

8 (Currently Amended). The device of ~~claim 8~~ claim 1, wherein said blood pressure is used in a feed back mechanism to control the pumping speed of said blood pump, said feed back mechanism including a controller.

9 (Currently Amended). The device of ~~claim 9~~ claim 8, wherein said controller adjusts pumping speed to minimize under-pumping and over-pumping by the implantable blood pump.